

CONFIGURATION FOR DOCKABLE PORTABLE COMPUTERS USING A
SINGLE ETHERNET PHYSICAL LAYER CHIP AND TRANSFORMER

ABSTRACT OF THE DISCLOSURE

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A single 10/100/1000BT Ethernet network physical layer chip and a single transformer, both within a mobile computer, are employed to provide a network connection to the mobile computer either through a network connection interface within a docking station receiving the mobile computer, when the mobile computer is docked, or through a network connection interface within the mobile computer, when the mobile computer is not docked. Connection traces to the unused network connection interface have the characteristics of a small, unterminated stub, with any reflections handled by intrinsic echo cancellation during 1000BT operation and negligible during 10/100BT operation.